| Inde | ex of | Claims |  |
|------|-------|--------|--|
|      |       |        |  |

Application/Control No.

10/612,303

Examiner

James F. Hook

Date

Applicant(s)/Patent under Reexamination

WARREN ET AL.

Art Unit

3754

|   | √ . | Rejected |
|---|-----|----------|
| *************************************** |     | Allowed  |

(Through numeral) Cancelled Restricted

Claim

Non-Elected Ν Interference

Appeal 0 Objected

|          |                            | L  |                |                |          |              | l           |  |  |                 |  |  |
|----------|----------------------------|--|----------------|----------------|----------|--------------|-------------|--|--|-----------------|--|--|
|          |                            | Data   |                |                |          |              |             |  |  |                 |  |  |
| Cla      | ıım                        | Date   |                |                |          |              |             |  |  |                 |  |  |
| Final    | Original                   | 4/18/05  |                |                |          |              |             |  |  |                 |  |  |
|          |                            | +  |                | Н              |          | -            |             |  |  | -1              |  |  |
| $\vdash$ | 2                          | +  | -              |                |          |              | _           |  |  | $\vdash$        |  |  |
|          | ~                          | +  |                | $\vdash$       |          | Н            |             | _  | _  | Н               |  |  |
|          | <del></del>                | +  |                | $\vdash$       |          | -            |             |  |  | Н               |  |  |
|          |                            | +  |                | $\vdash$       | _        |              | _           |  |  |                 |  |  |
|          | 1<br>2<br>3<br>4<br>5<br>6 | +  | <u> </u>       | $\vdash$       |          | $\vdash$     |             |  |  | $\dashv$        |  |  |
|          | 7                          | +  |                | ├─             |          |              |             |  |  | H               |  |  |
|          | 8                          | +  | $\vdash$       | H              | _        | $\vdash$     |             |  | -  | $\dashv$        |  |  |
|          | 9                          | +  | $\vdash$       | H              |          | $\vdash$     | _           |  |  | -               |  |  |
| -        | 10                         | +  | $\vdash$       |                |          |              |             |  |  | $\dashv$        |  |  |
|          | 11                         | +  | $\vdash$       | $\vdash$       | H        | _            |             |  |  | $\dashv$        |  |  |
|          | 12                         | +  | $\vdash$       | $\vdash$       | $\vdash$ |              | <del></del> |  |  | Н               |  |  |
| $\Box$   | 13                         | +  |                |                |          |              | Т           | $\vdash$   |  | $\dashv$        |  |  |
|          | 13<br>14                   | +  | $\vdash$       |                |          |              | _           |  |  |                 |  |  |
|          | 15                         | +  | Г              |                | _        |              |             |  |  |                 |  |  |
|          | 16                         | +  |                |                |          |              |             |  |  |                 |  |  |
|          | 17                         | +  |                |                |          |              |             |  |  |                 |  |  |
|          | 18                         | +  |                |                |          |              |             |  |  |                 |  |  |
|          | 19                         |  |                |                |          |              |             |  |  |                 |  |  |
|          | 20                         |  |                |                |          |              |             |  |  |                 |  |  |
|          | 21                         | Г  |                |                |          |              |             | _  |  |                 |  |  |
|          | 22                         |  |                |                |          |              |             |  |  |                 |  |  |
|          | 23                         |  |                |                |          |              |             |  |  |                 |  |  |
|          | 24                         |  |                |                |          |              |             |  |  | Щ               |  |  |
|          | 25                         | L  |                | Ŀ              |          |              |             |  |  |                 |  |  |
| ļ        | 26                         | <u> </u>   | _              | _              |          | _            |             |  | L.   |                 |  |  |
|          | 27                         | _  |                | _              | <u> </u> | <u> </u>     |             |  |  |                 |  |  |
| <u></u>  | 28                         | _  |                | _              | _        | _            | _           |  |  | Щ               |  |  |
| L        | 29                         | L_   | _              | _              |          | _            | _           |  |  | Щ               |  |  |
|          | 30                         | ļ  |                | _              |          |              | <u> </u>    |  | _  | $\vdash$        |  |  |
|          | 31                         | <u> </u>   |                |                | <u> </u> | <u> </u>     | <u> </u>    | <u> </u>   |  | Щ               |  |  |
|          | 32                         | ļ  | -              | <u> </u>       | <u> </u> | ⊢            | <u> </u>    | <u> </u>   | _  | Щ               |  |  |
|          | 33                         | <u> </u>   | <del> </del>   | <u> </u>       | <u> </u> | $\vdash$     | <u> </u>    | <u> </u>   | $\vdash$   | Н               |  |  |
| <u> </u> | 34                         | <del> </del>                                     |                | <u> </u>       | ⊢        | <u> </u>     | <u> </u>    | <u> </u>   | ⊢  | $\vdash \vdash$ |  |  |
| -        | 35<br>36                   | ├  |                | $\vdash$       | $\vdash$ | $\vdash$     | $\vdash$    | $\vdash$   | -  |                 |  |  |
| -        | 37                         | ₩  | $\vdash$       | $\vdash$       | $\vdash$ | $\vdash$     | -           |  |  | $\vdash \vdash$ |  |  |
| $\vdash$ | 38                         | $\vdash$   | $\vdash$       | <del> </del>   | ├-       | <del> </del> | $\vdash$    | ┢  | $\vdash$   | $\vdash$        |  |  |
| -        | 39                         | <del>                                     </del> | <del>  -</del> | <del>  -</del> | $\vdash$ |              | $\vdash$    | $\vdash$   | $\vdash$   |                 |  |  |
| $\vdash$ | 40                         | ┰  | ┢              | $\vdash$       |          |              |             | $\vdash$   | $\vdash$   | $\vdash \vdash$ |  |  |
|          | 41                         | T  |                | Н              | Н        | $\vdash$     | 1           | <del>                                     </del> | <del>                                     </del> | Н               |  |  |
| <b></b>  | 42                         | †  | 1              | Н              |          |              |             |  |  | Н               |  |  |
|          | 43                         | 一  | ┢              | T              |          | T            | T           | $\vdash$   | 一  | М               |  |  |
|          | 44                         | <u> </u>   | $\vdash$       | T              |          | t            |             |  |  | П               |  |  |
|          | 45                         |  | Ι              | <u> </u>       |          | T            | Г           |  |  | П               |  |  |
|          | 46                         |  | Γ              | Ī              | Τ        | T            |             | Г  |  | П               |  |  |
|          | 47                         |  | ·              |                |          |              |             |  |  |                 |  |  |
|          | 48                         |  |                |                |          |              |             |  |  |                 |  |  |
|          | 49                         |  |                |                |          |              |             |  |  |                 |  |  |
|          | 50                         |  |                |                |          |              |             |  |  |                 |  |  |

| ıaı      | 111      |              |  |  |          | Jak      | <u> </u>     |  |  |  |   | Cic      | 11111    |  |          |             |  | Jan  | <u> </u>   |  |  |           |
|----------|----------|--------------|--|--|----------|----------|--------------|--|--|--|---|----------|----------|--|----------|-------------|--|--|--|--|--|-----------|
|          | Original | 4/18/05      |  |  |          |          |              |  |  |  |   | Final    | Original |  |          |             |  |  |  |  |  |           |
| 1        | 1        | +            |  |  |          |          |              |  |  | П  |   |          | 51       |  |          |             |  |  |  |  |  |           |
| T        | 2        | +            |  |  |          |          |              |  |  | П  |   |          | 52       |  |          |             |  |  |  |  |  |           |
| $\top$   | 3        | +            |  |  |          |          |              |  |  | П  |   |          | 53       |  |          |             |  |  |  |  |  | П         |
| 7        | 4        | +            |  | Г  |          |          |              |  |  | П  |   |          | 54       |  |          |             |  |  |  |  |  | $\neg$    |
| T        | 5        | +            |  |  |          |          |              |  |  |  |   |          | 54<br>55 |  |          |             |  |  |  |  |  |           |
| 1        | 6        | +            |  |  |          |          |              |  |  |  |   |          | 56       |  |          |             |  |  |  |  |  |           |
| +        | 7        | +            |  |  |          |          |              |  |  | П  |   | -        | 57       |  |          |             |  |  |  |  |  | П         |
| 十        | 8        | +            |  |  | Г        |          | _            |  |  |  |   | _        | 58       |  |          |             |  |  |  |  |  | П         |
| 7        | 9        | +            |  |  |          |          |              |  |  |  |   |          | 59       |  |          |             |  |  | Г  |  |  | П         |
| 7        | 10       | +            |  |  |          |          |              |  |  |  |   |          | 60       |  |          |             |  |  | Г  |  |  |           |
| T        | 11       | +            |  |  | Т        | _        |              |  |  |  |   |          | 61       |  |          |             |  |  |  |  |  |           |
| 1        | 12       | +            | T  | $\vdash$   | $\vdash$ | _        | _            |  |  | П  |   |          | 62<br>63 | П  |          |             |  |  |  |  |  |           |
| 1        | 13       | +            |  |  |          | $\vdash$ |              | -  | _  |  |   |          | 63       | П  |          |             |  |  | _  |  |  |           |
| 1        | 14       | +            | $\vdash$   | Т  |          |          |              |  |  |  |   |          | 64       |  |          |             |  |  |  |  |  | П         |
| 1        | 15       | +            | Г  |  |          | $\Box$   |              |  |  |  |   |          | 65<br>66 | П  |          |             |  |  |  | Г  |  | $\square$ |
| 7        | 16       | +            |  |  |          |          |              |  |  |  |   |          | 66       | П  |          |             | _  |  |  |  |  |           |
| -†       | 17       | +            |  |  |          |          |              |  |  | _  |   |          | 67       | П  |          |             |  |  |  |  |  | П         |
| 7        | 18       | +            |  |  |          |          |              |  |  |  |   |          | 68       | П  |          |             |  | _  | _  | 1  |  | $\Box$    |
| 1        | 19       |              |  | _  | _        |          |              |  | $\vdash$   |  |   |          | 69       |  | _        |             | -  |  |  |  |  | П         |
| 1        | 20       |              |  |  |          |          |              | 一  |  |  |   |          | 70       |  |          |             |  |  | $\vdash$   |  |  |           |
| 1        | 21       |              | $\vdash$   | -  | <u> </u> |          | _            | -  | $\vdash$   |  |   |          | 71       | Н  |          |             |  |  |  |  |  |           |
| 7        | 22       | _            | $\vdash$   |  |          |          | <u> </u>     | $\vdash$   |  |  |   |          | 71<br>72 |  |          |             |  |  |  |  | _  |           |
| 7        | 23       |              |  |  |          |          |              |  | -  |  |   |          | 73       | Н  |          |             |  |  | $\vdash$   | T  |  |           |
| ┪        | 24       |              | Г  |  |          |          |              | <b></b>  | $\vdash$   |  |   |          | 74       | П  |          |             | _  |  |  |  |  |           |
| 7        | 25       |              | Т  |  |          |          | _            | $\vdash$   | $\vdash$   |  |   |          | 75       |  |          | _           |  |  |  | T  |  | П         |
| 1        | 26       | -            | _  |  |          |          |              |  |  |  | İ |          | 76       |  |          |             |  |  |  |  |  | П         |
| ┪        | 27       |              | _  | _  | -        | $\vdash$ |              | $\vdash$   | $\vdash$   |  | l |          | 76<br>77 | -  |          |             |  |  |  | Т  | _  |           |
| ╅        | 28       |              | ╁  | ╁  |          | ├        | <del> </del> | ┪  |  |  | 1 | $\vdash$ | 78       | -  |          |             |  |  | $\vdash$   | $\vdash$   | _  |           |
| +        | 29       | $\vdash$     |  | $\vdash$   | $\vdash$ |          |              |  |  | 1  | l | <u> </u> | 79       |  |          |             |  | _  | t  |  | $\vdash$   | H         |
| +        | 30       |              | ╁  | $\vdash$   | $\vdash$ |          |              |  | <del>                                     </del> | -  | ĺ | <b></b>  | 80       |  |          |             | -  | $\vdash$   |  | T  |  | $\Box$    |
| +        | 31       | 1            |  |  | $\vdash$ | $\vdash$ |              | <del>                                     </del> | <del>                                     </del> | ┢  |   |          | 81       |  |          | _           | ┢  | $\vdash$   | <u> </u>   |  | $\vdash$   | Н         |
| 7        | 32       | 1            | <del>                                     </del> | _  |          | $\vdash$ | ┢            | <del>                                     </del> |  |  | ĺ |          | 81<br>82 | -  |          |             | Т  |  | _  | İΤ   | _  |           |
| +        | 33       |              | 一  | $\vdash$   | $\vdash$ | Н        | $\vdash$     | $\vdash$   | T  | Н  |   |          | 83       | _  |          |             |  |  | <u> </u>   | T  | _  | П         |
| +        | 34       | _            | ╁  | <del>                                     </del> | $\vdash$ | $\vdash$ | $\vdash$     | $\vdash$   | t  | Н  |   |          | 84       | -  |          |             | H  |  | T  | <u> </u>   | _  | Н         |
| +        | 34<br>35 | _            | ┢  | ┢╌   | $\vdash$ | H        |              |  | H  | ┢  |   |          | 84<br>85 |  |          |             | -  | _  |  | <b>†</b>   |  | H         |
| 7        | 36       | -            | <del> </del>                                     | $\vdash$   | $\vdash$ | $\vdash$ |              |  | ╁╌   | -  |   |          | 86       |  |          |             | $\vdash$   | <del>                                     </del> | t  |  | -  | H         |
| +        | 37       | $\vdash$     | t  | $\vdash$   | $\vdash$ | $\vdash$ |              | <del>                                     </del> | <del>                                     </del> | $\vdash$   | l |          | 87       |  | _        | _           | <del> </del>                                     | Н  | t  | t  | _  | H         |
| $\dashv$ | 38       | $\vdash$     | $\vdash$   | <del>                                     </del> | ┢        | <u> </u> |              |  |  | Н  |   |          | 88       |  |          | _           | _  | <del>                                     </del> | T  | 1  |  | Н         |
| +        | 39       |              | $I^-$  | -  | $\vdash$ | $\vdash$ |              | t  | t  | <del>                                     </del> | 1 |          | 88<br>89 | Н  |          |             |  | _  | † "  | 1  |  | H         |
| +        | 40       | ┢            | ╁╴   | ╁  | H        | Н        | $\vdash$     | $\vdash$   |  | -  | 1 |          | 90       | H  |          |             | _  |  | <u> </u>   | <del>                                     </del> | ┢  | Н         |
| +        | 41       | $\vdash$     | $\vdash$   | Н  | t        | $\vdash$ | 1-           | 1  | 1  | T  | 1 |          | 90<br>91 | $\vdash$   | _        | -           | T  | $\vdash$   |  | T  | <u> </u>   | Н         |
| 1        | 42       | -            | ╁  | H  | ┢        | ┢        | -            | <del>                                     </del> | <del>                                     </del> | $\vdash$   | 1 |          | 92       | $\vdash$   | _        | _           | _  |  | t  | t  | -  | Н         |
| +        | 43       | $\vdash$     | <del>                                     </del> | 1  | $t^-$    | T        | T            | $\vdash$   | $t^-$  | 1  | 1 |          | 93       | Т  |          | _           | ┪  | T  | T  | T  | T  | П         |
| $\dashv$ | 44       | $\vdash$     | $\vdash$   | $\vdash$   | $t^-$    | t        | t            | t  | +  | $\vdash$   | 1 |          | 94       |  |          |             | -  | $\vdash$   | <del>                                     </del> | <del>                                     </del> | $\vdash$   | Н         |
| +        | 45       | <del> </del> | +  | $\vdash$   | t        | $\vdash$ | $\vdash$     | $\vdash$   | $\vdash$   | t  | 1 | <u> </u> | 95       |  | <u> </u> | <del></del> | $\vdash$   | <del>                                     </del> | $\vdash$   | T  | <del>                                     </del> | Н         |
| $\dashv$ | 46       | $\vdash$     | $\vdash$   | $\vdash$   | $\vdash$ | t        | t            | $\vdash$   | $\vdash$   | <del>                                     </del> | 1 |          | 96       | Н  |          |             | $\vdash$   | T  | 1  | †  |  | $\vdash$  |
| $\dashv$ | 47       |              | <del> </del>                                     | $\vdash$   | t        | t        | t            | $\vdash$   | $\vdash$   | <del> </del>                                     | 1 |          | 97       | 1  |          |             |  | 1  | $\vdash$   | T  | $\vdash$   | Н         |
| +        | 48       | H            | $t^-$  | t  | t        |          | H            | $\vdash$   | H  | $\vdash$   | 1 |          | 98       | $\vdash$   | $\vdash$ |             | <del>                                     </del> | H  | $t^-$  | t  | _  | ${}$      |
| 7        | 49       | $\vdash$     |  | $\vdash$   | T        | $t^-$    | $\vdash$     | $\vdash$   | t  |  | 1 |          | 99       | $\vdash$   | _        |             |  | Н  | $t^-$  | T  | -  | Н         |
| $\dashv$ | 50       | t            | $\vdash$   | $\vdash$   | $\vdash$ | $\vdash$ |              | $\vdash$   |  | 1  | 1 |          | 100      | <del>                                     </del> |          |             | H  | t  | t  | 1  | $\vdash$   | Н         |
|          |          | <u> </u>     | 1  | <u> </u>   | _        | <u> </u> |              |  | 1  | <u> </u>   | J |          | , .00    | Ц  | <b>!</b> | L           | Ļ  | 1  | 1  |  |  |           |

| Cla       | aim                             |  |          |          |          | Date         | <del></del>                                      |          |  |                 |
|-----------|---------------------------------|--|----------|----------|----------|--------------|--|----------|--|-----------------|
|           |                                 |  |          |          |          |              |  |          |  |                 |
| Final     | Original                        |  |          |          |          |              |  |          |  |                 |
|           | 101                             |  |          |          |          |              |  |          |  |                 |
|           | 102                             |  |          |          |          |              |  |          |  |                 |
|           | 103                             |  |          |          |          |              |  |          |  |                 |
|           | 104<br>105                      |  |          |          |          |              |  |          |  | $\Box$          |
| <u> </u>  | 105                             |  |          |          |          |              |  |          |  |                 |
|           | 106                             |  |          |          |          |              | _  |          |  |                 |
|           | 107                             |  | _        |          |          |              |  |          |  |                 |
|           | 108                             | _  | <u> </u> | _        | _        |              |  |          |  | -               |
|           | 109                             | _  | <u> </u> | _        | _        |              |  |          |  |                 |
|           | 110<br>111                      |  |          | -        |          |              |  |          |  | $\dashv$        |
|           | 112                             |  | _        | $\vdash$ |          |              |  |          |  | $\dashv$        |
|           | 113                             |  |          | -        | _        |              |  |          |  | $\dashv$        |
|           | 114                             |  |          | H        |          |              | _  |          |  | H               |
| <b></b> - | 115                             | $\vdash$   |          | H        |          |              |  |          | _  | $\vdash$        |
| $\vdash$  | 116                             |  |          |          |          |              |  |          | _  | $\neg$          |
|           | 117                             |  | _        |          |          |              |  |          | Н  |                 |
|           | 118                             |  |          |          |          |              |  |          | _  |                 |
|           | 119                             |  |          |          |          |              |  |          | П  |                 |
|           | 120<br>121<br>122<br>123<br>124 |  |          |          |          |              |  |          |  |                 |
|           | 121                             |  |          |          |          |              |  |          |  |                 |
|           | 122                             |  |          |          |          |              |  |          |  |                 |
|           | 123                             |  |          |          |          |              |  |          | _  | Ш               |
|           | 124                             |  | _        |          | <u> </u> |              |  |          | _  |                 |
| <u> </u>  | 125                             |  | _        | _        | _        | _            | _  |          |  |                 |
|           | 126<br>127                      |  | _        |          | _        |              | _  |          |  |                 |
|           | 127                             | <u> </u>   |          |          | $\vdash$ |              | <u> </u>   |          |  | <u> </u>        |
|           | 128                             |  |          | $\vdash$ |          | H            |  |          |  | Н               |
|           | 129<br>130                      | _  | ⊢        | -        | ├        |              |  |          | -  | Н               |
| <u> </u>  | 131                             |  | ┝        | $\vdash$ |          | <del> </del> | <del>                                     </del> | -        |  | Н               |
| -         | 132                             |  | ┢        | ┢        | -        | $\vdash$     | $\vdash$   | $\vdash$ |  | Н               |
| <u> </u>  | 133                             | $\vdash$   |          | -        | -        |              |  | $\vdash$ |  | Н               |
| $\vdash$  | 134                             | <del>                                     </del> | $\vdash$ | -        |          | ┢            |  | $\vdash$ | <u> </u>                                     | $\vdash \vdash$ |
| <b>—</b>  | 135                             | 1  |          |          |          | -            | $\vdash$   | _        | T  | Н               |
|           | 136                             |  |          |          | Г        |              |  | Г        |  | П               |
|           | 137                             |  | Γ        | 1        |          |              |  |          |  |                 |
|           | 138                             |  |          |          |          |              |  |          |  |                 |
|           | 139                             |  |          |          |          |              |  |          |  |                 |
|           | 140                             |  |          |          |          |              |  |          |  |                 |
|           | 141                             |  |          |          | L        |              |  |          |  |                 |
|           | 142                             |  |          | L        | <u> </u> | _            | _  | _        | _  | Ш               |
|           | 143                             | _  |          | _        | _        |              | <u> </u>   | _        | <u> </u>                                     |                 |
|           | 144                             |  | _        |          | <b> </b> | <u> </u>     | <u> </u>   | ļ        | <u> </u>                                     | $\sqcup$        |
| <u></u>   | 145                             | <u> </u>   | _        | <u> </u> | <u> </u> | ┞            | _  | _        | _  | $\vdash$        |
|           | 146                             | <u> </u>   | <u> </u> | L        | L        |              | _  |          | <u> </u>                                     | _               |
| <u> </u>  | 147                             | Ь.   | <b> </b> | <u> </u> | ⊢        | <u> </u>     | <u> </u>   | $\vdash$ | <u> </u>                                     |                 |
| <u> </u>  | 148                             | <del> </del>                                     |          | ⊢        | $\vdash$ | ├            | $\vdash$   | -        | $\vdash$                                     |                 |
|           | 149<br>150                      | ├  |          | ├        | ₩        | ├            | -  | -        | -  | -               |
| Ц         | 100                             | <u> </u>   | L        | L        | l        | l            | L  | L        | <u>.                                    </u> | ш               |